

Amendments to the Claims:

Claims 1 and 3-17 are pending. Claims 1 and 4-6 are amended. Claims 7-17 are newly added. Claim 2 is cancelled without prejudice or disclaimer.

1. (Currently Amended) A method for accessing management information in CIM-format transferred by an SNMP agent in SNMP-format, the method comprising:
 - receiving a data request from a CIM object manager including CIM data objects;
 - mapping the data request into an SNMP request;
 - determining session parameters for a communications session with the SNMP agent, including:**
 - requesting a configuration class instance from the CIM object manager matching a group name and a system name associated with the SNMP request,**
 - receiving from the CIM object manager identification of a configuration class instance matching the group name and the system name,**
 - retrieving SNMP session parameters defined by the identified configuration class instance, and**
 - establishing the communications session with the SNMP agent using the retrieved SNMP session parameters;**
 - transmitting the request to the SNMP agent; and
 - receiving a response to the SNMP request message from the SNMP agent.
2. (Cancelled)
3. (Original) A method according to claim 1, the method further comprising:
 - mapping response data into the CIM data objects; and
 - completing the data request including returning the CIM data objects to the CIM object manager.
4. (Currently Amended) A method ~~for generating a MOF file from a MIB file, the MIB file including at least one SNMP variable~~ **according to claim 1, the method further** comprising:

generating a MOF file for at least one of a group and a row sequence specified in the MIB file, the MOF file including an object class, the MIB file including at least one SNMP variable; and

generating a property and property qualifiers including an OID and SNMP datatype for each SNMP variable in the MIB file for inclusion in the MOF file, wherein:

mapping the data request into the SNMP request includes accessing the MOF file.

5. (Currently Amended) A computer program product for use on a computer system for accessing management information in CIM-format transferred by an SNMP agent in SNMP-format, the computer program product comprising a computer usable medium having computer readable program code thereon, the computer readable program code including program code for:

receiving a data request from a CIM object manager including CIM data objects;

mapping the data request into an SNMP request;

determining session parameters for a communications session with the SNMP agent, including:

requesting a configuration class instance from the CIM object manager matching a group name and a system name associated with the SNMP request,

receiving from the CIM object manager identification of a configuration class instance matching the group name and the system name,

retrieving SNMP session parameters defined by the identified configuration class instance, and

establishing the communications session with the SNMP agent using the retrieved SNMP session parameters;

transmitting the request to the SNMP agent; and

receiving a response to the SNMP request message from the SNMP agent.

6. (Currently Amended) A computer program product ~~for generating a MOF file from a MIB file, the MIB file including at least one SNMP variable, the computer program product comprising a computer usable medium having computer readable program code thereon,~~ according to claim 5, the computer readable program code further including program code for:

generating a MOF file for at least one of a group and a row sequence specified in the MIB file, the MOF file including an object class, **the MIB file including at least one SNMP variable**; and

generating a property and property qualifiers including an OID and SNMP datatype for each SNMP variable for inclusion in the MOF file, **wherein:**

mapping the data request into the SNMP request includes accessing the MOF file.

7. (New) A method according to claim 1, wherein the data access request identifies a CIM class including the group name.
8. (New) A method according to claim 1, wherein the data access request identifies the system name.
9. (New) A method according to claim 8, wherein the system name identifies a system where the SNMP agent is situated.
10. (New) A method according to claim 1, wherein the session parameters include a port number.
11. (New) A method according to claim 1, wherein the session parameters include a timeout value.
12. (New) A computing system for accessing management information in CIM-format transferred by an SNMP agent in SNMP-format, the system comprising:
 - a memory storing an SNMP provider program that receives a data request from a CIM object manager including CIM data objects and is configured to:
 - map the data request into an SNMP request,
 - determine session parameters for a communications session with the SNMP agent, including:
 - request a configuration class instance from the CIM object manager matching a group name and a system name associated with the SNMP request,
 - receive from the CIM object manager identification of a configuration class instance matching the group name and the system name,

retrieve SNMP session parameters defined by the identified configuration class instance, and

establish the communications session with the SNMP agent using the retrieved SNMP session parameters,

transmitting the request to the SNMP agent, and

receiving a response to the SNMP request message from the SNMP agent; and
a processor that runs the SNMP provider program.

13. (New) A computing system according to claim 12, wherein the data access request identifies a CIM class including the group name.

14. (New) A computing system according to claim 12, wherein the data access request identifies the system name.

15. (New) A computing system according to claim 14, wherein the system name identifies a system where the SNMP agent is situated.

16. (New) A computing system according to claim 12, wherein the session parameters include a port number.

17. (New) A computing system according to claim 12, wherein the session parameters include a timeout value.